

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--|------------------------------|------------------|---------|------------------|
| L1 | 44 | ((("5764430") or ("4027217") or ("5745457") or ("6026066") or ("6295261") or ("5182741") or ("6452883") or ("6317399") or ("4967286") or ("5398231") or ("5498509") or ("5608717") or ("5608718") or ("5627895") or ("5675570") or ("5688173") or ("5729533") or ("5748607") or ("5751671") or ("5781221") or ("5766495") or ("5846131") or ("5875156") or ("5915858") or ("5949752") or ("5958651") or ("5967676") or ("5997976") or ("6019151") or ("6034930") or ("6102800") or ("6104677") or ("6124011") or ("6160789") or ("6202550") or ("6264295") or ("6270176") or ("6384929") or ("6386667") or ("6403191") or ("6440248") or ("6469969") or ("6074031") or ("20020191517"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L2 | 44 | ((("5764430") or ("4027217") or ("5745457") or ("6026066") or ("6295261") or ("5182741") or ("6452883") or ("6317399") or ("4967286") or ("5398231") or ("5498509") or ("5608717") or ("5608718") or ("5627895") or ("5675570") or ("5688173") or ("5729533") or ("5748607") or ("5751671") or ("5781221") or ("5766495") or ("5846131") or ("5875156") or ("5915858") or ("5949752") or ("5958651") or ("5967676") or ("5997976") or ("6019151") or ("6034930") or ("6102800") or ("6104677") or ("6124011") or ("6160789") or ("6202550") or ("6264295") or ("6270176") or ("6384929") or ("6386667") or ("6403191") or ("6440248") or ("6469969") or ("6074031") or ("20020191517"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L3 | 21 | L2 and (rotat\$5 revol\$6) near6 (speed velocity) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L4 | 365 | sawtooth near6 reflect\$6 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L5 | 5 | (sawtooth (saw adj tooth)) near6 (nonreflect\$6 antireflect\$6 non-reflect\$6 anti-reflect\$6 (anti non) adj reflect\$6) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L6 | 4739919 | reference feature mark indicator | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L7 | 3269991 | detect\$4 discriminat\$4 determin\$4 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L8 | 2844107 | ang\$4 rotat\$4 orientat\$4 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |

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|-----|--------|---|------------------------------|----|-----|------------------|
| L9 | 157267 | L6 same L7 same L8 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L10 | 535737 | (optical compact digital) adj2 (disc disk storage medium) cd dvd | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L11 | 25974 | L9 and L10 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L12 | 15021 | L7 near6 (L6 near4 L8) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L13 | 2519 | L12 and L10 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L14 | 203 | L12 same L10 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L15 | 409761 | (rotat\$4 revol\$7) near6 (speed velocity tim\$3) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L16 | 55 | L14 same L15 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L17 | 108 | L12 same L15 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L18 | 2172 | mold\$4 near3 (pit cone) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L19 | 56430 | (nonreflect\$6 antireflect\$6 non-reflect\$6 anti-reflect\$6 (anti non) adj reflect\$6) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L20 | 0 | L18 near6 L19 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L21 | 3 | L18 same L19 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L22 | 100 | L18 near6 reflect\$6 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L23 | 234 | (pit cone) near6 L19 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L24 | 1 | ("6109324").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L25 | 22260 | mirror\$3 near4 (area region) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L26 | 358149 | (rotat\$5 revol\$6) near6 (speed velocity) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L27 | 154 | L25 same L26 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L28 | 535737 | (optical compact digital) adj2 (disc disk storage medium) cd dvd | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L29 | 35 | L27 and L28 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L30 | 20 | L27 same (disc disk wheel) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |

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| L31 | 315694 | (ang\$4 rotat\$4 orientat\$4) near6 (reference feature mark indicat\$2) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L32 | 182 | L25 same L31 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L33 | 19 | L32 and ("347" "360" "369").clas. | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L34 | 32 | (L32 and L28) not L33 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L35 | 203526 | (ang\$4 rotat\$4 orient\$6) near6 (mark reference feature indicator pit) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L36 | 44 | ((("5764430") or ("4027217") or ("5745457") or ("6026066") or ("6295261") or ("5182741") or ("6452883") or ("6317399") or ("4967286") or ("5398231") or ("5498509") or ("5608717") or ("5608718") or ("5627895") or ("5675570") or ("5688173") or ("5729533") or ("5748607") or ("5751671") or ("5781221") or ("5766495") or ("5846131") or ("5875156") or ("5915858") or ("5949752") or ("5958651") or ("5967676") or ("5997976") or ("6019151") or ("6034930") or ("6102800") or ("6104677") or ("6124011") or ("6160789") or ("6202550") or ("6264295") or ("6270176") or ("6384929") or ("6386667") or ("6403191") or ("6440248") or ("6469969") or ("6074031") or ("20020191517"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L37 | 16 | L35 AND L36 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L38 | 47 | ("4202631" "4270863" "4393386" "4579455" "4691231" "5181081" "5317337" "5518325" "5542768" "5724197" "5781221" "5797688" "5846632" "5854175").PN. OR ("5967676").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/12/03 11:42 |
| L39 | 26 | ("3701130" "4000510" "4016603" "4087842" "4094013" "4106058" "4142209" "4504873" "4535439" "4556966").PN. OR ("4884259").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/12/03 11:42 |
| L40 | 1 | ("6109324").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L41 | 1 | 10/661722.app. | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L42 | 30 | aihara-kenichi\$.in. | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L43 | 4 | L42 and label | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |

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| L44 | 3 | ((("3426337") or ("20030117932")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L45 | 2464386 | rotation\$3 speed velocity | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L46 | 146748 | L45 near4 (disc disk medium) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L47 | 4786479 | reference mark feature indicator index indices | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L48 | 319751 | (multipl\$6 many plural\$4) near4 L47 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L49 | 178 | L46 near10 L48 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L50 | 57 | L49 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L51 | 13467 | (detect\$4 measur\$5 determin\$4) near6 L46 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L52 | 127909 | (rotation\$3 speed velocity) near3 (disc disk medium) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L53 | 219973 | (multipl\$5 plural\$4 identical) near3 (mark reference indicator index indices) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L54 | 103 | L52 near10 L53 | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L56 | 7055 | sector near3 (mark reference indicator index indices) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/12/03 11:42 |
| L57 | 287 | (L56).ab. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/12/03 11:42 |
| L58 | 94 | L57 and "369".clas. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/12/03 11:42 |
| L59 | 27855 | (disc disk) near4 (speed velocity) | USPAT | OR | OFF | 2007/12/03 11:42 |
| L60 | 2741 | (detect\$4 measur\$4 discriminat\$4 determin\$4) near6 L59 | USPAT | OR | OFF | 2007/12/03 11:42 |
| L61 | 379 | L60 near10 (encoder opu pickup pick adj up light laser) | USPAT | OR | OFF | 2007/12/03 11:42 |
| L62 | 101805 | "angular position" | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L63 | 3771 | L62 near3 ("same" identical) | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L64 | 213 | L61 and "369".clas. | USPAT | OR | OFF | 2007/12/03 11:42 |
| L65 | 2847 | (250/231.1?).ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |

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| L66 | 88 | L63 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L67 | 56 | L61 and "360".clas. | USPAT | OR | OFF | 2007/12/03 11:42 |
| L68 | 140 | (L61 not L64) not L67 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L69 | 2030 | (angl\$4 angular rotation\$4 near3 position) near6 (mark label feature reference indicator) near10 (disc disk) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L70 | 100 | L69 near10 (label image print\$4) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L71 | 2 | L61 near10 (equal identical) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L72 | 55 | encoder near6 ((disk disc) near3 (speed velocity)) and "369".clas. | US-PGPUB; USPAT | OR | ON | 2007/12/03 11:42 |
| L73 | 4 | ("4319134" "4680466" "5073710" "5091643").PN. OR ("6750445").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L74 | 5 | ("4021714" "4374351" "4782404" "4849680" "4965502").PN. OR ("5051677").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L75 | 0 | L61 near10 (equal identical) near5 (width spac\$4 length distance) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L76 | 15 | L65 and "369".clas. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L77 | 12 | ("4803354" "4908510" "5091643" "5239177" "5369271" "5406077" "5448060" "5451776").PN. OR ("5640377").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L78 | 2 | ("3426337").PN. | USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L79 | 2847 | (250/231.1?).ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L80 | 26678 | (angular angl\$4) near4 (feature mark slit indicator) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L81 | 155 | L79 and L80 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L82 | 307478 | (angular angl\$4) near4 (position indicator mark feature) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |

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| L83 | 5366 | L82.near4 (ring circumference circle circular) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L84 | 35 | L79 and L82 near4 (ring circumference circle circular) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L85 | 668 | L80 near10 (ring circumference circle circular) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L86 | 4 | L85 and L79 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L87 | 21 | ("3701846" "3707600" "4000510" "4079942" "4094013" "4142209" "4338683" "4363116" "4365324" "4445144").PN. OR ("4556966").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L88 | 24 | ("2782626" "3349325" "4649267" "4697077" "4718879" "4945231" "4988865" "5086641" "5130536" "5212380" "5418362" "5594241" "5665974" "5852413" "5939712" "5969344").PN. OR ("6145368" "6184518").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L89 | 34 | L83 and "369".clas. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L90 | 10 | ((multipl\$4 plural\$4) near4 (index sector) near3 (mark indicator)) near10 (ring circumference circle circular) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L91 | 21 | ("4793067" "5129725" "5171982").PN. OR ("6093928").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |
| L92 | 2 | ("3426337").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 11:42 |